TITLE: Preparation of amides and ureas as activators of soluble guanylate cyclase

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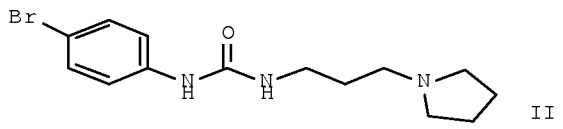
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2389773	A1	20010510	CA 2000-2389773	20001106 <--
EP 1237849	A1	20020911	EP 2000-973061	20001106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003513064	T	20030408	JP 2001-534758	20001106

PRIORITY APPLN. INFO.:			
GB 1999-26286	A	19991105
US 2000-201382P	P	20000502
WO 2000-GB4249	W	20001106

OTHER SOURCE(S): MARPAT 134:353175

GI



II

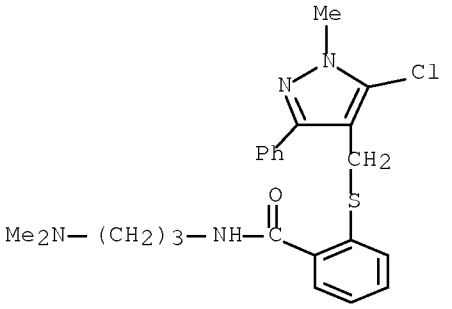
AB The title compds. R4PZNR1R2 [I; R1, R2 = alkyl; R1R2 together form alkylene; Z = alkylene; P = a direct bond, X, Y, W, XY, YW, XYW (wherein W = O, S, NR3; R3 = H, alkyl; Y = UV; V = a direct bond, alkylene; U = CS, CO, SO2, C(:NR); R = H, OH, alkyl; X = O, NR6; R6 = H, alkyl, alkenyl, etc.); R4 = alkyl, alkenyl, alkynyl, etc.], useful in the activation of soluble guanylate cyclase, were prepared E.g., synthesis of the urea II, starting with 4-bromoaniline and 1-(3-aminopropyl)pyrrolidine, was given. Biol. data for compds. I (e.g., IC50 for inhibition of platelet aggregation) were presented.

IT *338980-58-8P 338980-88-4P*

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amides and ureas as activators of soluble guanylate

cyclase)
RN 338980-58-8 ZCAPLUS
CN Benzamide, 2-[[(5-chloro-1-methyl-3-phenyl-1H-pyrazol-4-yl)methyl]thio]-N-[3-(dimethylamino)propyl]- (9CI) (CA INDEX NAME)



RN 338980-88-4 ZCAPLUS
CN Urea, N-[2-[[(5-chloro-1-methyl-3-phenyl-1H-pyrazol-4-yl)methyl]thio]phenyl]-N'-[3-(dimethylamino)propyl]- (9CI) (CA INDEX NAME)